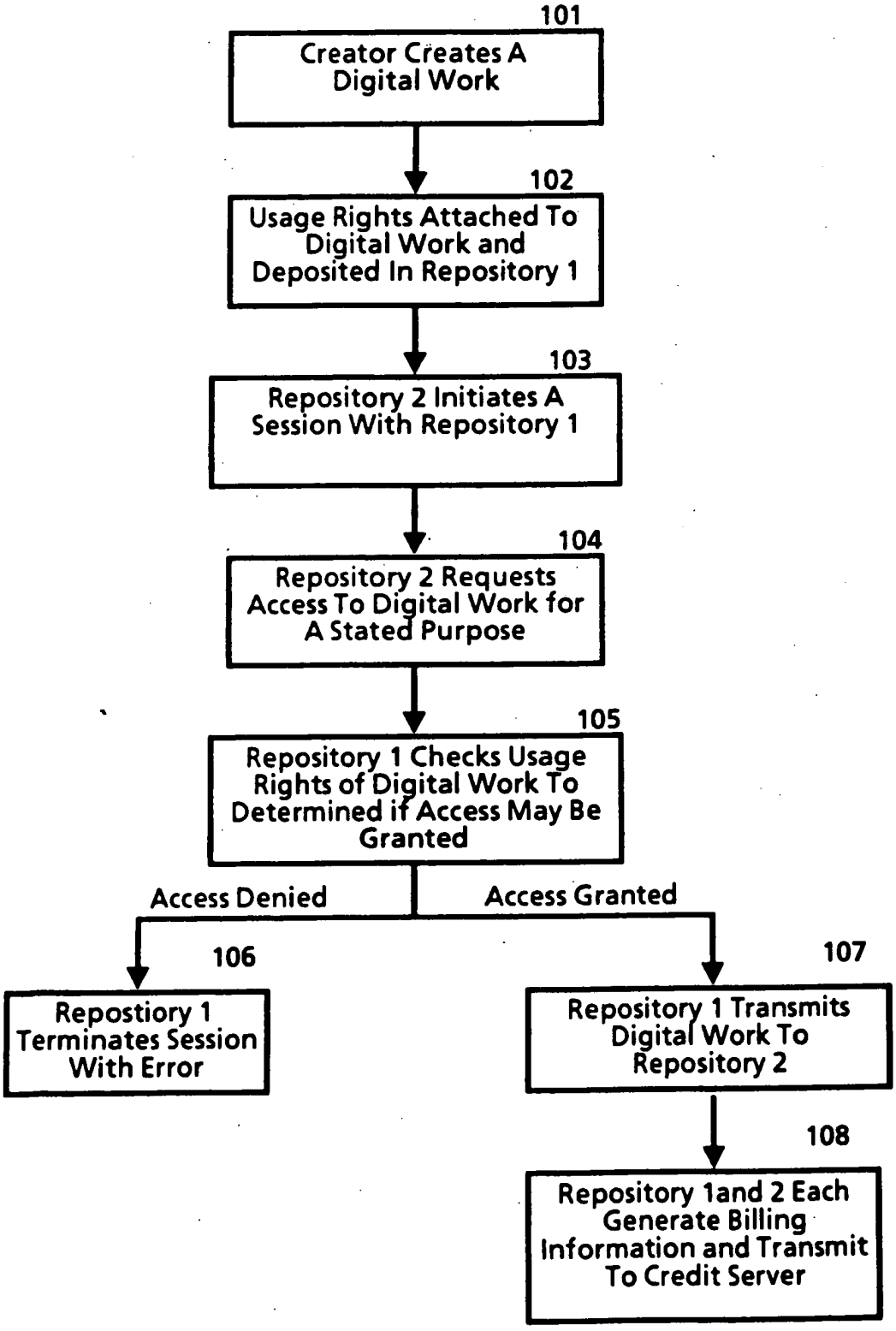
Figure 1



EXPEDITED PROCEDURE

Figure 2

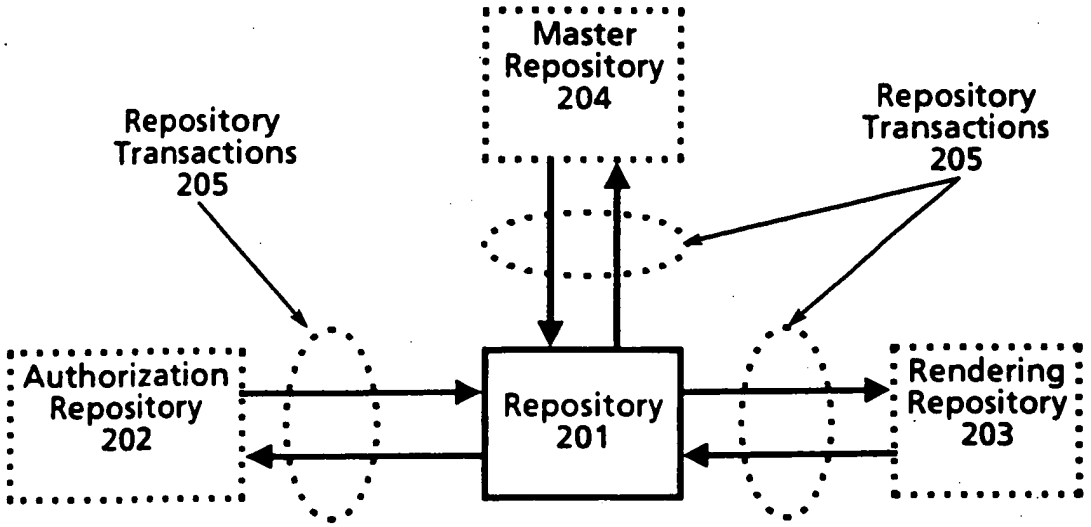
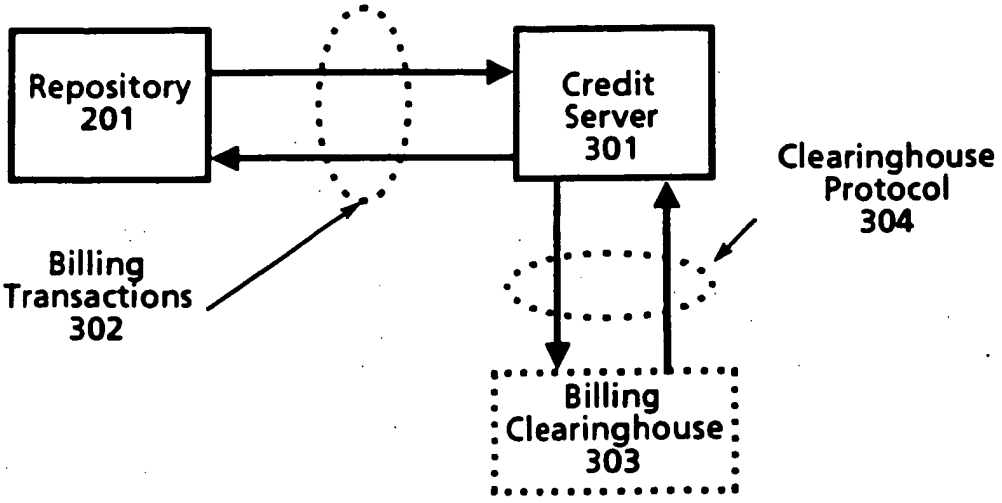


Figure 3



EP0554704A1

Figure 4a

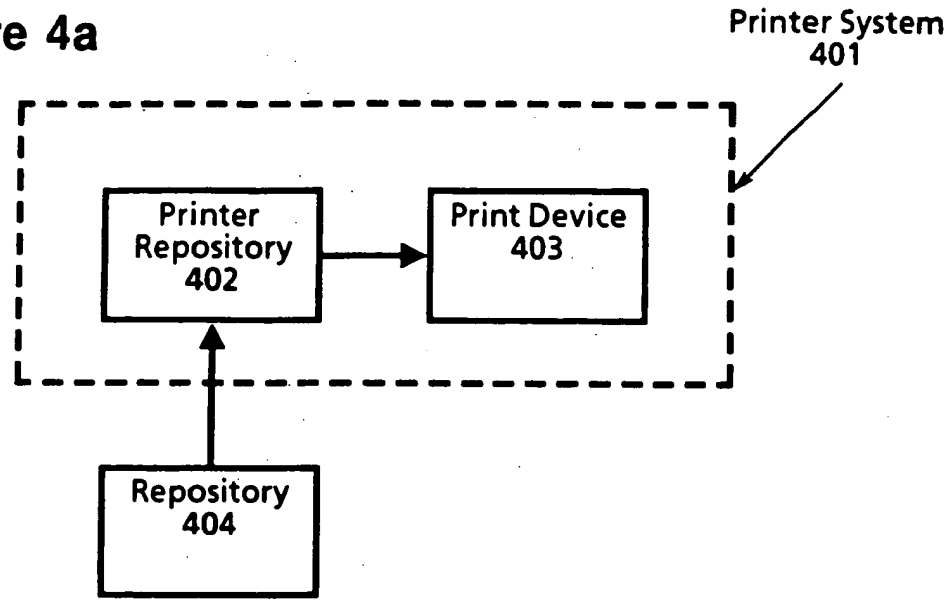
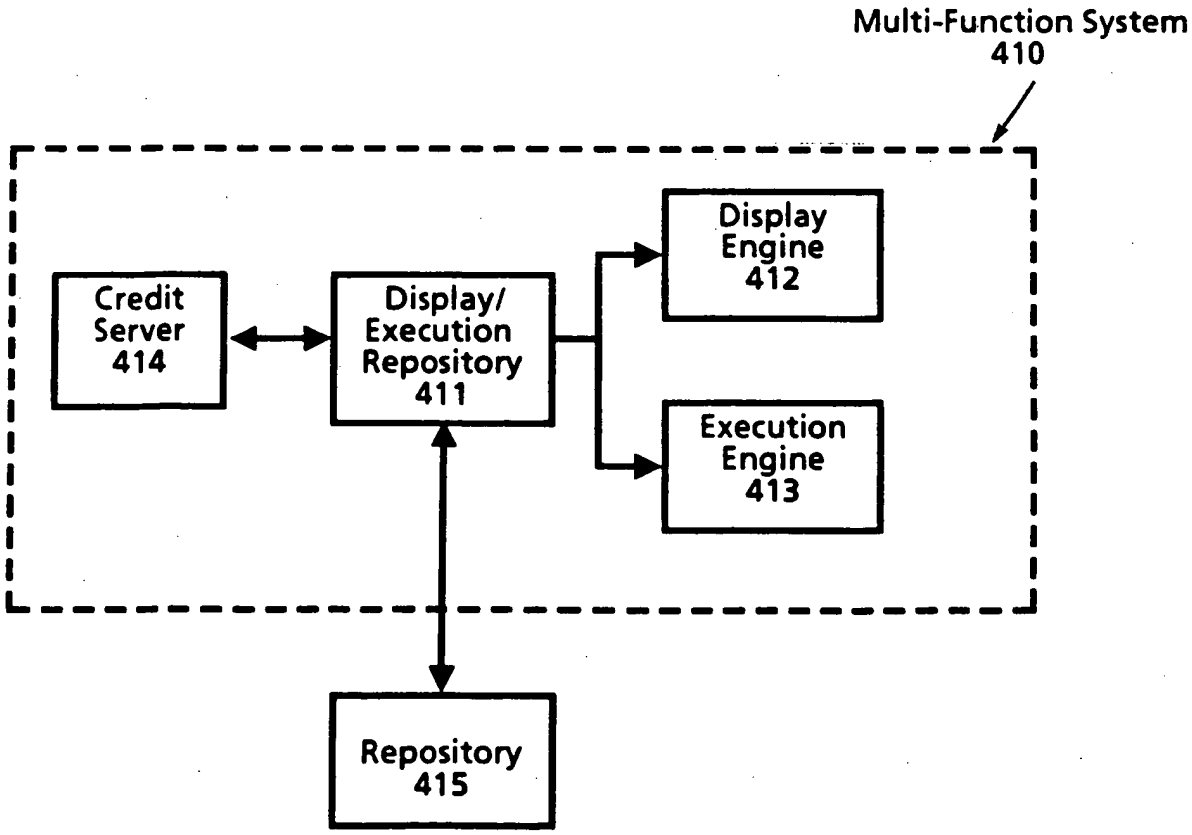


Figure 4b



EPO - DG 1 - 05. 07. 2004 - 10:25:34

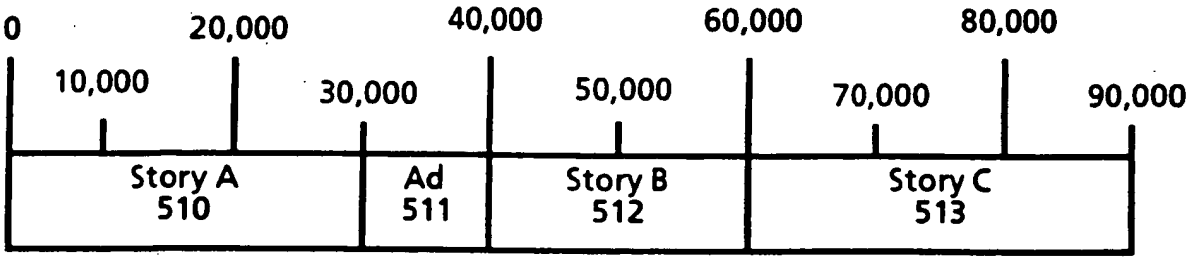


Figure 5

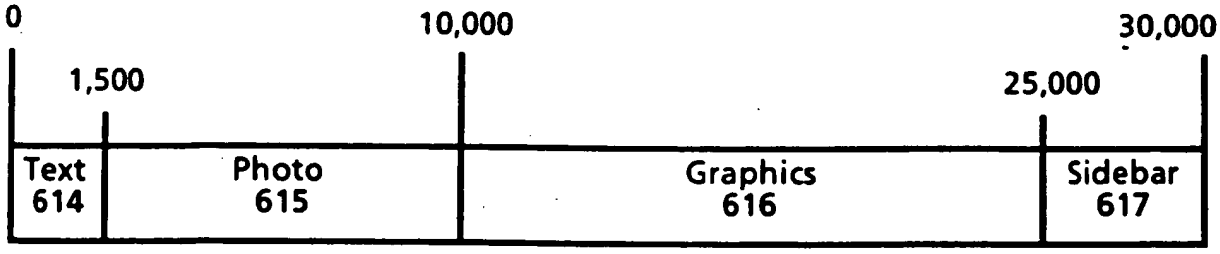


Figure 6

Express Mail No. EL 945 134 705 US

Figure 7

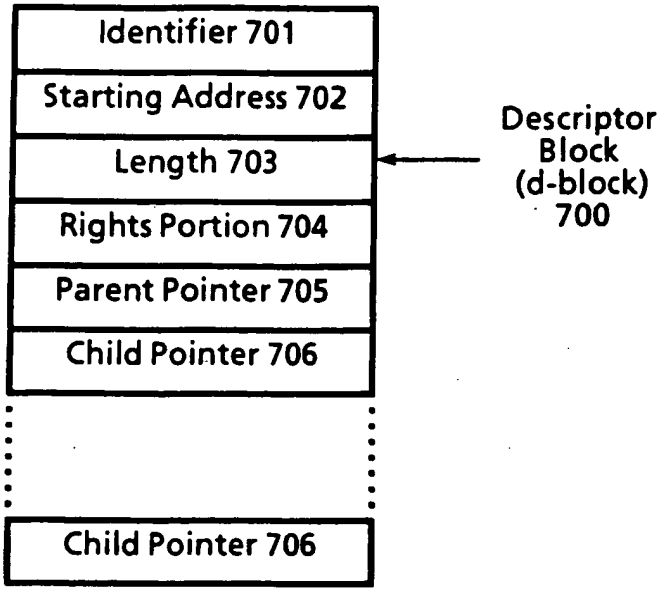


Figure 8

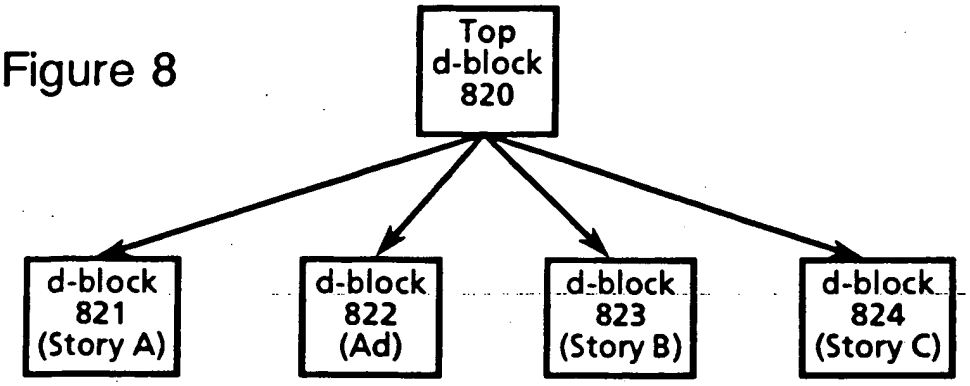
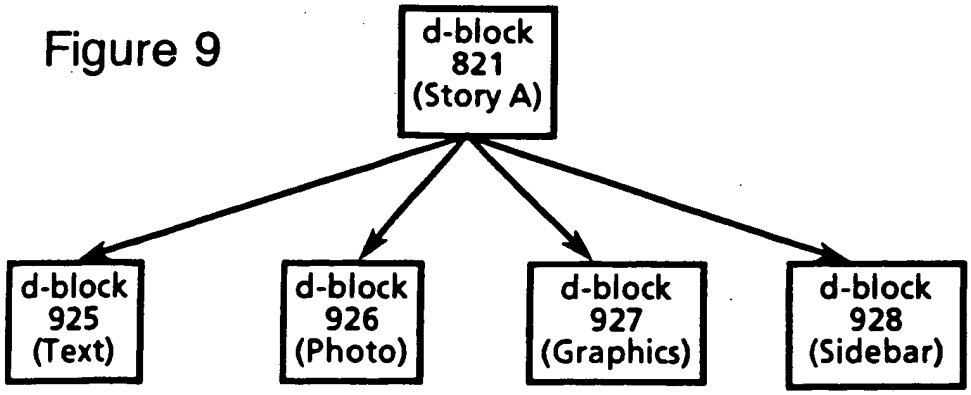


Figure 9



EXPRESS MAIL

Figure 10

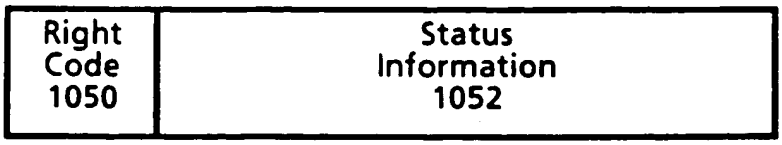


Figure 14

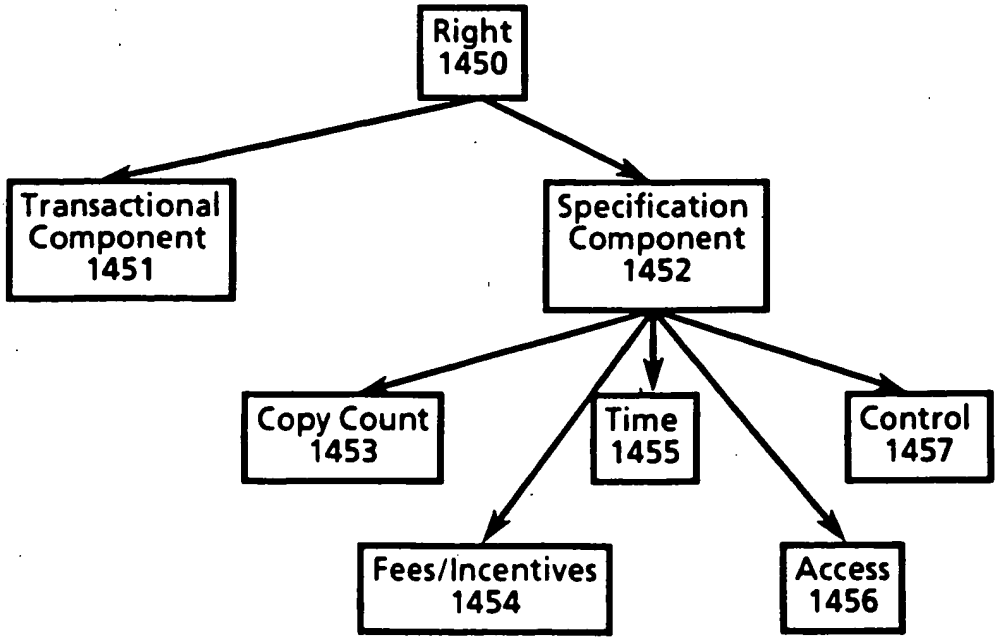
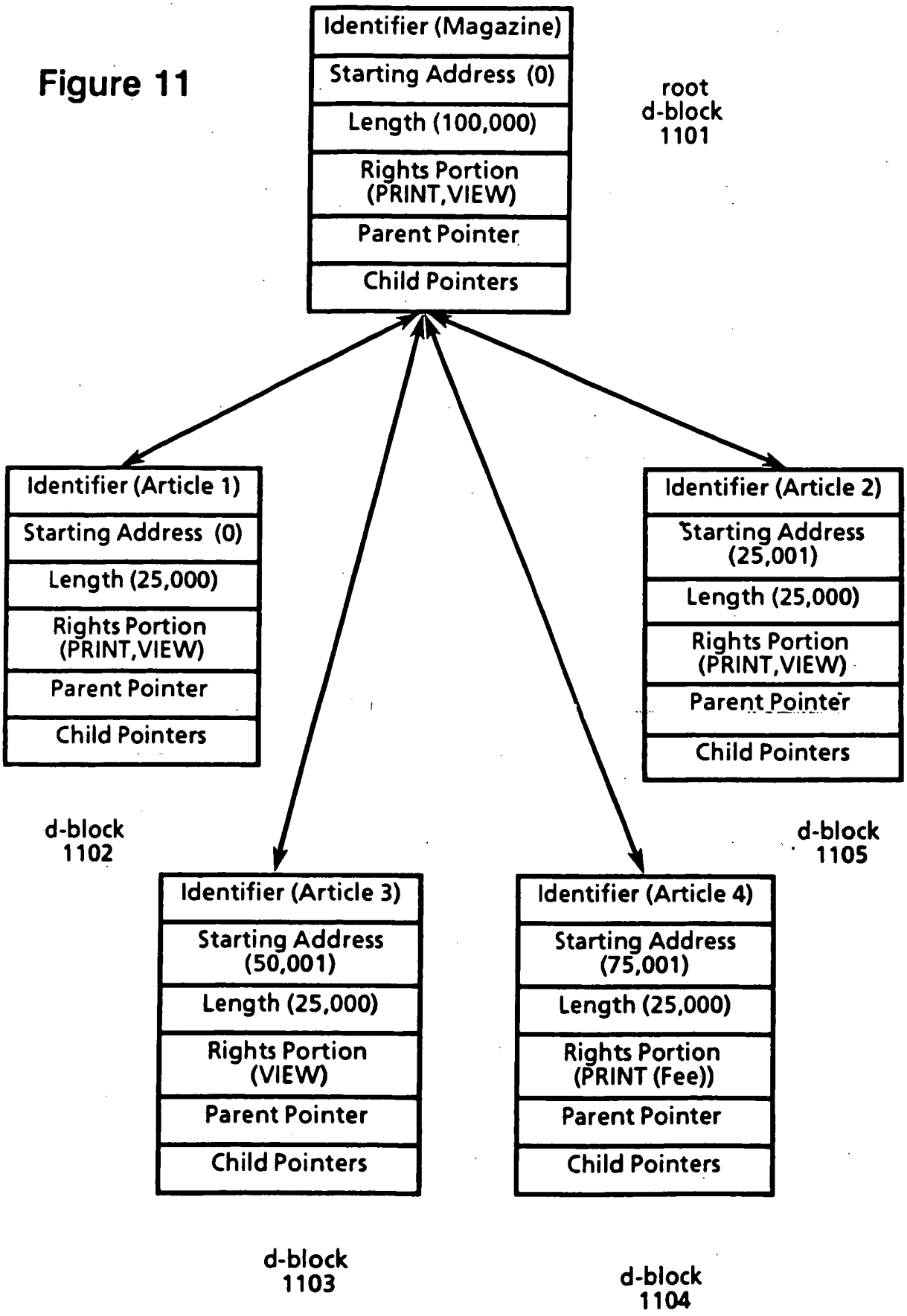


Figure 11



DOCKET ALARM

Figure 12

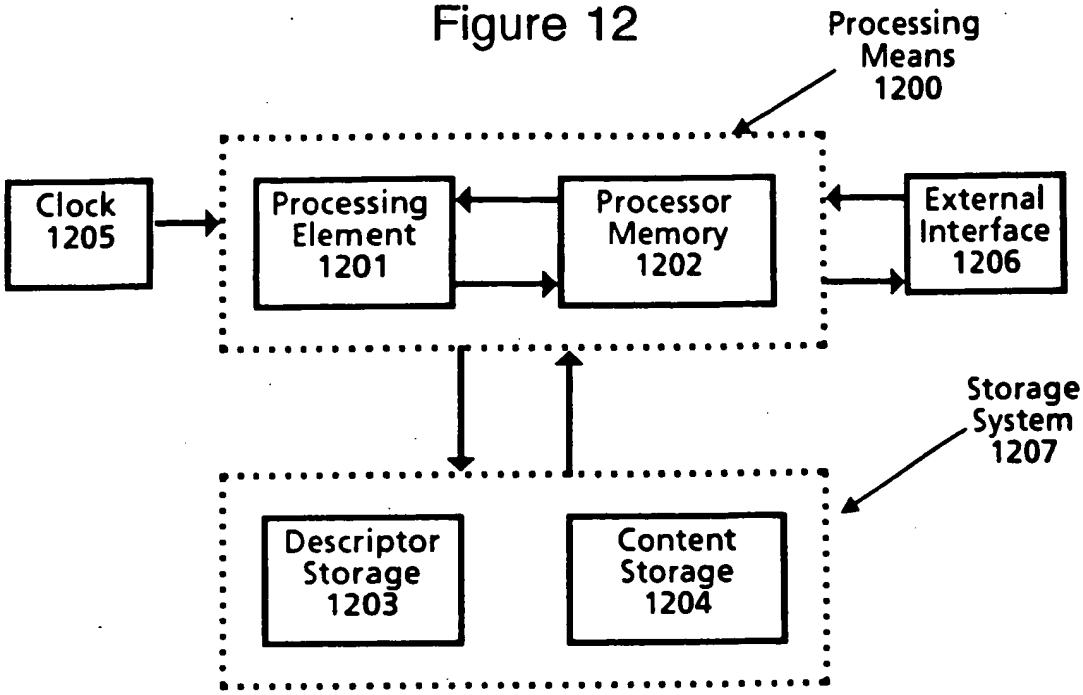


Figure 13

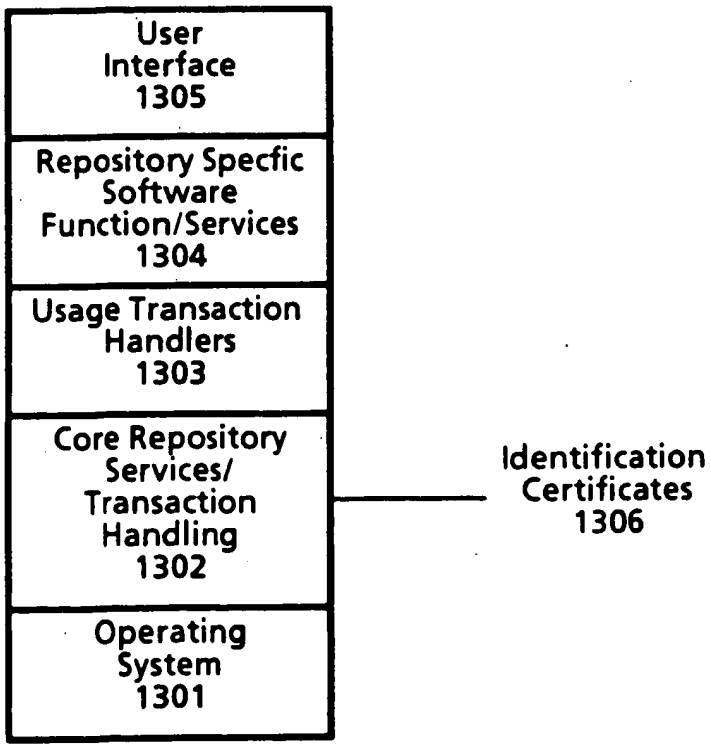


FIGURE 15

1501 ~ **Digital Work Rights:** = (Rights*)

1502 ~ **Right** := (Right-Code {Copy-Count} {Control-Spec} {Time-Spec } {Access-Spec} {Fee-Spec})

1503 ~ **Right-Code** := Render-Code | Transport-Code | File-Management-Code| Derivative-Works- Code | Configuration-Code

1504 ~ **Render-Code** := [Play : {Player: Player-ID} | Print: {Printer: Printer-ID}]

1505 ~ **Transport-Code** := [Copy | Transfer | Loan {Remaining-Rights: Next-Set-of-Rights}]{(Next-Copy-Rights: Next-Set-of-Rights)}

1506 ~ **File-Management-Code** := Backup {Back-Up-Copy-Rights: Next-Set-of-Rights} | Restore | Delete | Folder | Directory {Name: Hide-Local | Hide-Remote} {Parts: Hide-Local | Hide-Remote}

1507 ~ **Derivative-Works-Code** := [Extract | Embed | Edit{Process: Process-ID}] {Next-Copy-Rights : Next-Set-of Rights}

1508 ~ **Configuration-Code** := Install | Uninstall

1509 ~ **Next-Set-of-Rights** := {(Add: Set-Of-Rights)} {(Delete: Set-Of-Rights)} {(Replace: Set-Of-Rights)}{(Keep: Set-Of-Rights)}

1510 ~ **Copy-Count** := (Copies:positive-integer | 0 | Unlimited)

1511 ~ **Control-Spec** := (Control: {Restrictable | Unrestrictable} {Unchargeable | Chargeable})

1512 ~ **Time-Spec** := ({Fixed-Interval | Sliding-Interval | Meter-Time} Until: Expiration-Date)

1513 ~ **Fixed-Interval** := From: Start-Time

1514 ~ **Sliding-Interval** := Interval: Use-Duration

1516 ~ **Meter-Time**: = Time-Remaining: Remaining-Use

1516 ~ **Access-Spec** := ({SC: Security-Class} {Authorization: Authorization-ID*} {Other-Authorization: Authorization-ID*} {Ticket: Ticket-ID})

1517 ~ **Fee-Spec**: = {Scheduled-Discount} Regular-Fee-Spec | Scheduled-Fee-Spec | Markup-Spec

1518 ~ **Scheduled-Discount**: = Scheduled-Discount: (Scheduled-Discount: (Time-Spec Percentage)*)

1519 ~ **Regular-Fee-Spec** := ({Fee: | Incentive: } [Per-Use-Spec | Metered-Rate-Spec | Best-Price-Spec | Call-For-Price-Spec] {Min: Money-Unit Per: Time-Spec}{Max: Money-Unit Per: Time-Spec} To: Account-ID)

1520 ~ **Per-Use-Spec**: = Per-Use: Money-unit

1521 ~ **Metered-Rate-Spec** := Metered: Money-Unit Per: Time-Spec

1522 ~ **Best-Price-Spec** := Best-Price: Money-unit Max: Money-unit

1523 ~ **Call-For-Price-Spec** := Call-For -Price

1524 ~ **Scheduled-Fee-Spec**: = (Schedule: (Time-Spec Regular-Fee-Spec)*)

1525 ~ **Markup-Spec**: = Markup: percentage To: Account-ID

Figure 16

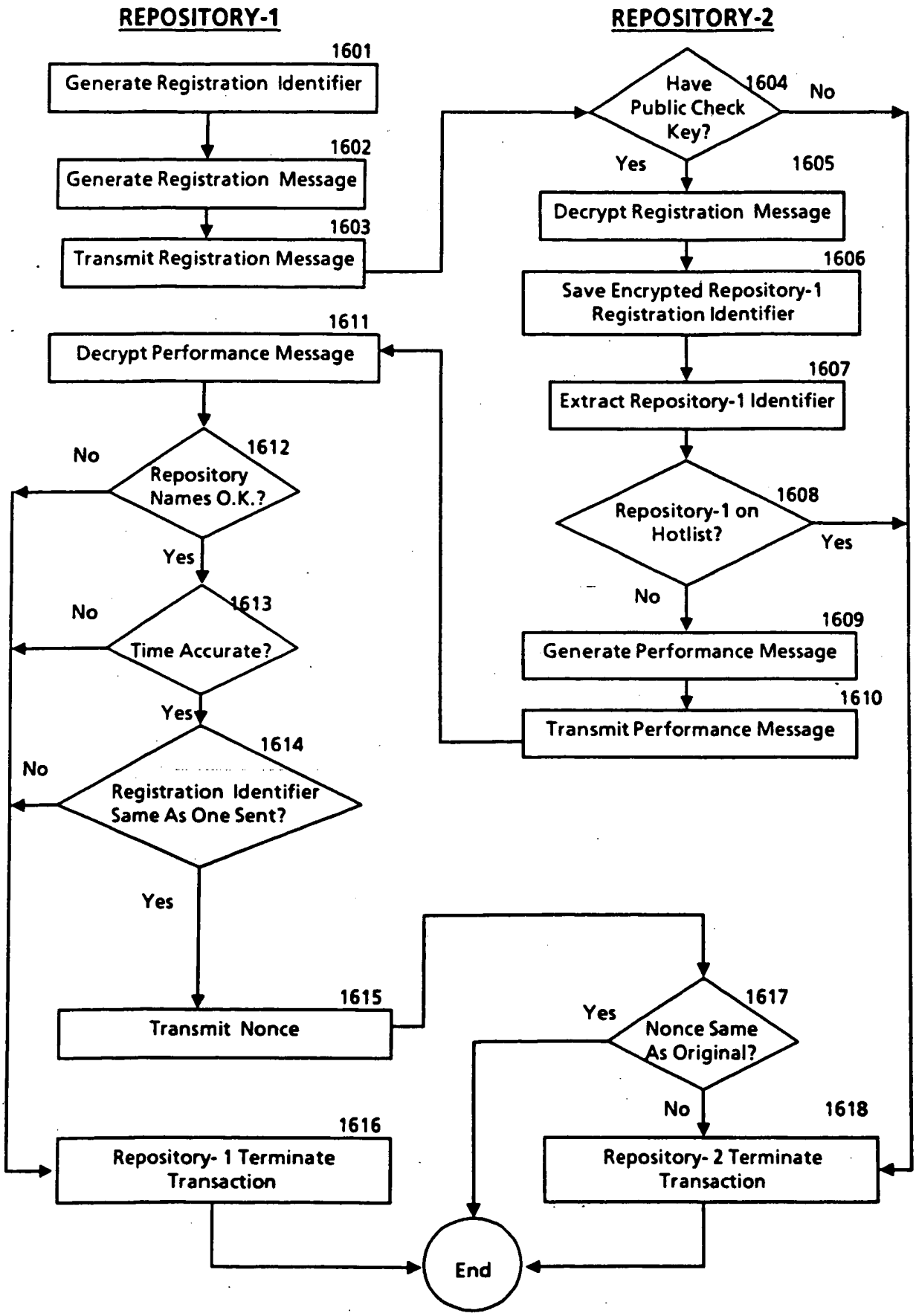

REPOSITORY-1
REPOSITORY-2
1601
Generate Registration Identifier
1602
Generate Registration Message
1603
Transmit Registration Message
1604
Have Public Check Key?
No
Yes
1605
Decrypt Registration Message
1606
Save Encrypted Repository-1 Registration Identifier
1607
Extract Repository-1 Identifier
1608
Repository-1 on Hotlist?
Yes
No
1609
Generate Performance Message
1610
Transmit Performance Message
1611
Decrypt Performance Message
1612
Repository Names O.K.?
No
Yes
1613
Time Accurate?
No
Yes
1614
Registration Identifier Same As One Sent?
No
Yes
1615
Transmit Nonce
1617
Nonce Same As Original?
Yes
No
1618
Repository- 2 Terminate Transaction
1616
Repository- 1 Terminate Transaction
End

Figure 17

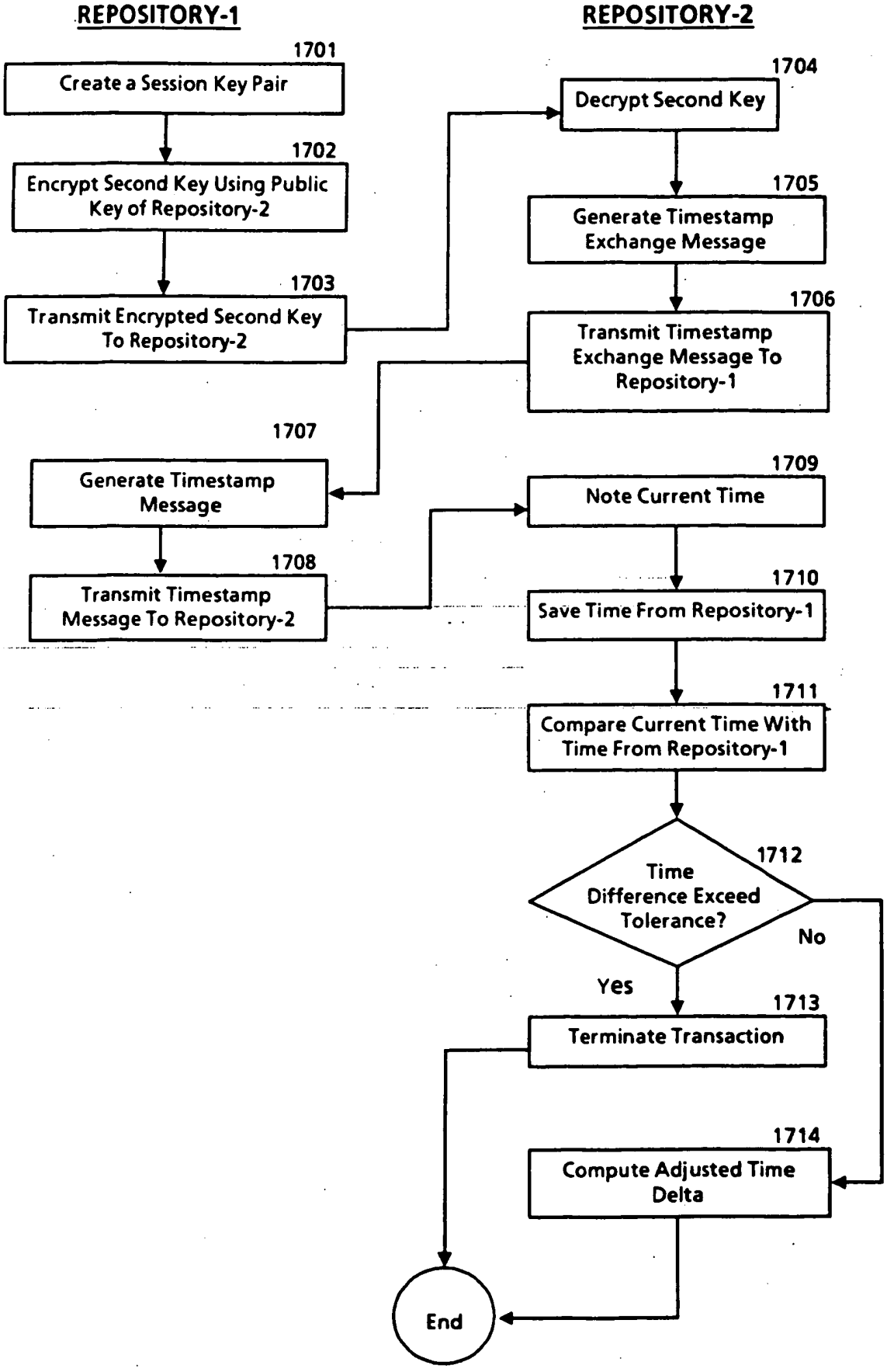
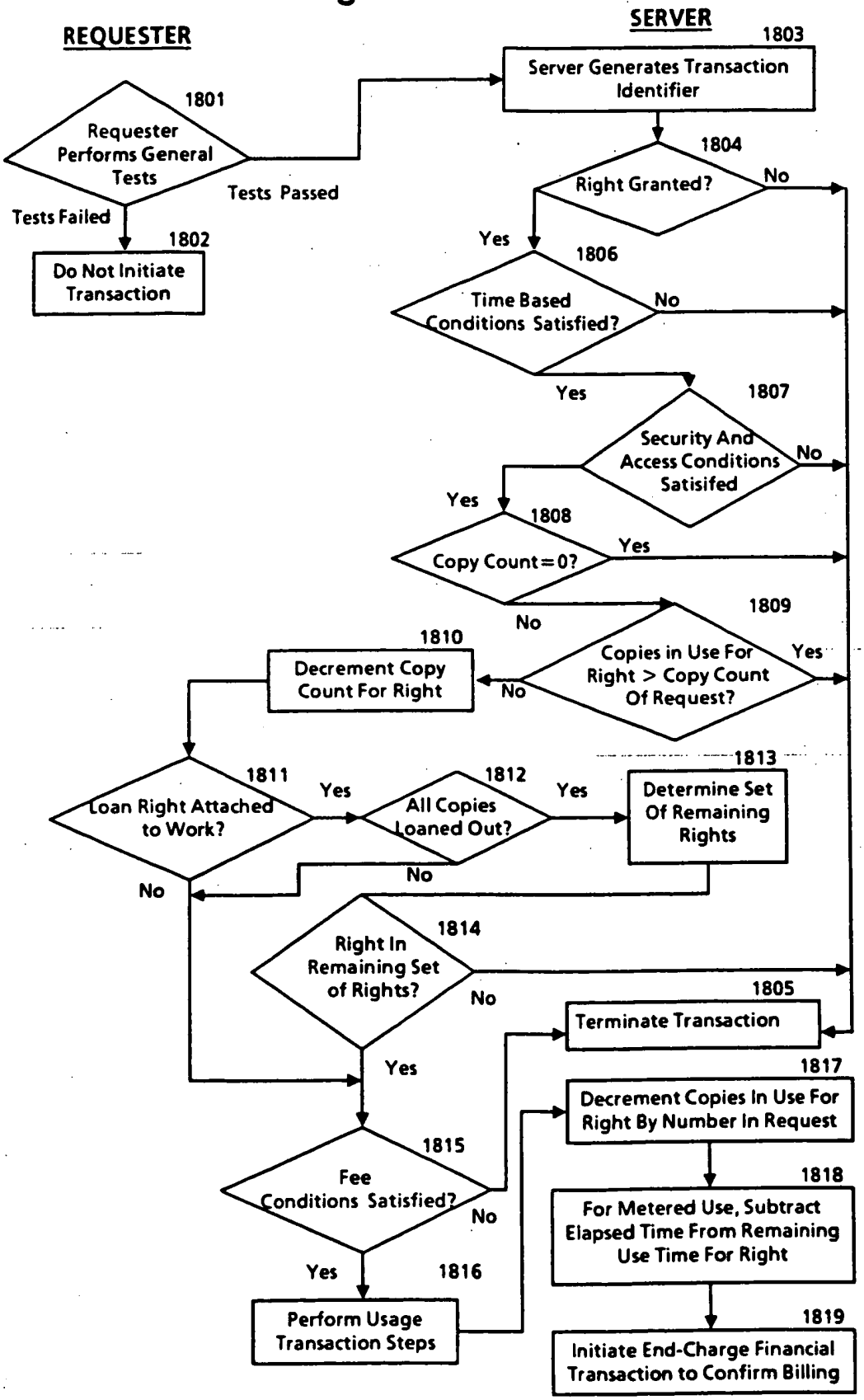

REPOSITORY-1
REPOSITORY-2
1701
Create a Session Key Pair
1702
Encrypt Second Key Using Public Key of Repository-2
1703
Transmit Encrypted Second Key To Repository-2
1704
Decrypt Second Key
1705
Generate Timestamp Exchange Message
1706
Transmit Timestamp Exchange Message To Repository-1
1707
Generate Timestamp Message
1708
Transmit Timestamp Message To Repository-2
1709
Note Current Time
1710
Save Time From Repository-1
1711
Compare Current Time With Time From Repository-1
1712
Time Difference Exceed Tolerance?
No
Yes
1713
Terminate Transaction
1714
Compute Adjusted Time Delta
End

Figure 18


REQUESTER
SERVER
1801
Requester Performs General Tests
Tests Passed
Tests Failed
1802
Do Not Initiate Transaction
1803
Server Generates Transaction Identifier
1804
Right Granted?
No
Yes
1806
Time Based Conditions Satisfied?
No
Yes
1807
Security And Access Conditions Satisifed
No
Yes
1808
Copy Count=0?
Yes
No
1809
Copies in Use For Right > Copy Count Of Request?
Yes
No
1810
Decrement Copy Count For Right
1811
Loan Right Attached to Work?
Yes
1812
All Copies Loaned Out?
Yes
1813
Determine Set Of Remaining Rights
No
No
1814
Right In Remaining Set of Rights?
No
1805
Terminate Transaction
Yes
1817
Decrement Copies In Use For Right By Number In Request
1815
Fee Conditions Satisfied?
No
1818
For Metered Use, Subtract Elapsed Time From Remaining Use Time For Right
Yes
1816
Perform Usage Transaction Steps
1819
Initiate End-Charge Financial Transaction to Confirm Billing

PCT/US95/14934

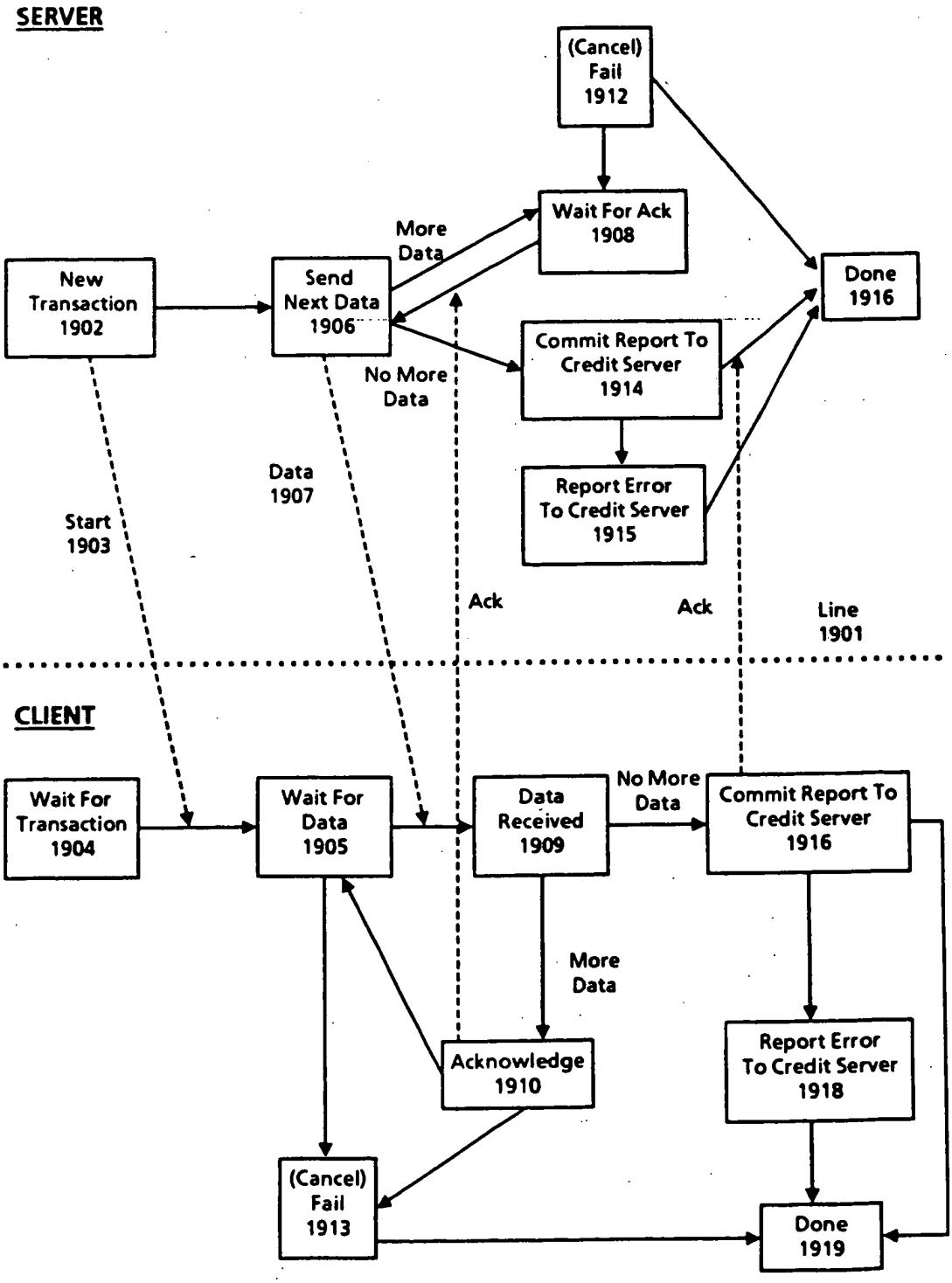



Figure 19